**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour\_\_\_\_\_\_\_\_\_\_**

**The Lynx and the Hare**



**Lynx Hare**

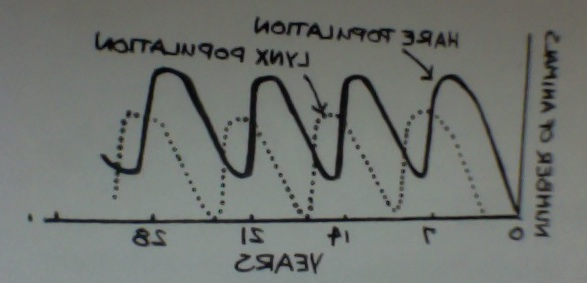
Carnivore Herbivore Predator Prey

Organisms Adaptation Plants Ecosystem

Two \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that live in the same \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are the lynx and the hare. The lynx is a large cat that is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the hare. Since the lynx eats meat, it is known as a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The hare, on the other hand, is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because it eats only \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. The best \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of the hare is its speed. Those who are not fast enough become easy \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for the lynx.

How would you fare if you were a hare?

The Hudson Bay trappers of Canada sold pelts, or furs, all over Europe as early as the 1600’s. They kept detailed logs of their transactions, so we have a historical record of the populations of different animals, like the lynx and the snowshoe hare, based on how many animals they were able to catch. A graph of their populations over time is shown below.



1. Which line represents the hare population?
2. Which line represents the lynx population?
3. When the hare population is at the bottom (see year 7), what do you notice about the lynx population?
   1. Why do you think this is?
4. What do you predict will happen to the hare population in year 32?
   1. Draw it on the graph.
5. What does the blue horizontal line represent?
6. What limiting factors might exist for the hare?